

## ABSTRACT OF THE DISCLOSURE

An entertainment device includes a general-purpose signal processor 103 made up of an assembly of component-processors 103A to 103D each of which can operate in parallel under operating environments independent of others component-processors. A management processor 101 controls a cross bar 104 so as to change the operating environments of the respective component-processors 103A to 103D in accordance with a demand for signal processing which is given from a CPU 11, and to change over any one of the component-processors which receives a signal to be processed which is inputted through the cross bar 104 or outputs a processed signal in accordance with the demand for signal processing.